Amendments to the Abstract

Please replace the Abstract with the following Substitute Abstract:

An orthogonal spread code for a mobile communication system is provided which increases an interference free window (IFW) interval as well as the element number of the orthogonal code set. A large synchronization (LS) code is generated by using an initial 2x2 matrix to generate magnified first and second square matrices. A third square matrix is then generated based on the first and second square matrices, and a code sequence is generated from the rows or columns of the third square matrix. In this manner, the inversely proportional relationship between the element number of the orthogonal code set and the IFW interval may be established, and used to avoid channel prediction errors and reduce power imbalance.